

Claims:

1. A switch-off box for a robot system, including a coupling means (34) resiliently mounted in a housing (33) and designed to be connected to a hose pack (23) and a welding torch (10) formed by a torch body (28) and, optionally, a torch handle (26), characterized in that the housing (33) is comprised of two parts (30, 31) and the coupling means (34) is designed for punctual contact on the housing (33).
2. A switch-off box according to claim 1, characterized in that the housing (33) is arranged between the torch body (28) and the hose pack (23).
3. A switch-off box according to claim 1, characterized in that the housing (33) is arranged between the torch body (28) and the torch handle (29), to which the hose pack (23) is connected.
4. A switch-off box according to any one of claims 1 to 3, characterized in that the coupling means (34) is insulated relative to the housing (33).
5. A switch-off box according to one or several of claims 1 to 4, characterized in that the coupling means (34) projects out of the housing (33) through an opening (35), whereas the other end of the coupling means (34) terminates in the interior of the housing (33).
6. A switch-off box according to any one of claims 1 to 5, characterized in that the coupling means (34) comprises a supporting surface (39) for contact on the housing (33).
7. A switch-off box according to claim 6, characterized in that the supporting surface (39) is directly formed on the coupling means (34).
8. A switch-off box according to claim 6, characterized in that said supporting surface (39) is formed by an external ring (40) having an L-shaped cross section.

9. A switch-off box according to one or several of claims 6 to 8, characterized in that several projections (41) are arranged on the external ring (40) and on the supporting surface (39), respectively, for punctual contact on the housing (33).

10. A switch-off box according to one or several of claims 6 to 9, characterized in that the fixation of the coupling means (34) is realized by the aid of a screw connection (42) through the external ring (40) and the supporting surface (39), respectively, with a spring element (44) arranged between a screw head (43) and the external ring (40) and the supporting surface (39), respectively.

11. A switch-off box according to claim 9 or 10, characterized in that contacting elements or switching elements are connected with the projections (41) and the supporting surface (39), respectively, in a manner that the respective contacting element will be activated or deactivated by the lifting of a single projection (41) from the housing (33) and a signal will be transmitted from the contacting element or switching element to an interfaced control device, or robot system.

12. A switch-off box according to one or several of claims 5 to 11, characterized in that a further opening (45) is provided in the housing (33) on the opposite side of the opening (35) of the housing (33).

13. A switch-off box according to one or several of claims 1 to 12, characterized in that a projection or thread (46) is arranged on one side of the housing (33) for connection with an external hose of the hose pack (23).